



# CPVC PLUMBING SYSTEM

FOR

**HOT &  
COLD**

WATER PLUMBING  
SYSTEM



# HOT & COLD

WATER PLUMBING SYSTEM



Higher Temperature Resistance up to 95°C



- Fire Retardant
- Lowest Bacterial Growth
- Strong
- Quality Product
- Easy Installation

## CPVC PLUMBING SYSTEM

### About Products

TUAARA CPVC Pipes & Fittings is the best solution for the Hot & Cold Water Plumbing System and meet all requirements of IS : 15778, ASTM D 2846 & ASTM F 441. Our CPVC plumbing system is logically the right choice over copper GI or any other alternative plastic piping system. We use latest state of art machinery with advance technology.

TUAARA CPVC Pipes and Fittings assure the high international quality standards with QMS as per ISO 9001: 2008 and its constant endeavors towards highest level of customer satisfaction.

CPVC Pipe Produced in Copper Tube size (CTS) from 15mm (1/2") to 50 mm (2")

### Areas of Applications

- Hot & Cold Water application in Homes, Apartments
- Hotels, Resorts, Hospitals, High & Low Rise Building
- Corporate and Commercial Houses, Academic Institutes.

### Advantages

- Corrosion Resistance • Tough, rigid material • No Scale, pit or leach formation • Chemical resistance • Low thermal expansion • Easy-cold welding process • Hot and Cold water compatible • Fire safety • Cost effective

## DIMENSIONS AND WATER PRESSURE RATING AT 23°C & 82°C FOR CPVC PIPES AS PER IS : 15778

SDR 11				SDR 13.5								
Nominal Size		Outside Diameter (mm)	Wall Thickness (mm)	Pressure Rating, PSI (kg/cm <sup>2</sup> )				Wall Thickness (mm)	Pressure Rating, PSI (kg/cm <sup>2</sup> )			
(inch)	(mm)			73.4°F	(23°C)	180°F	(82°C)		73.4°F	(23°C)	180°F	(82°C)
3/4	(20)	22.2 ± 0.08	2.03 ± 0.51	400	(28.1)	100	(7.0)	1.65 ± 0.51	320	(22.5)	80	(5.6)
1	(25)	28.6 ± 0.08	2.59 ± 0.51	400	(28.1)	100	(7.0)	2.12 ± 0.51	320	(22.5)	80	(5.6)
1 1/4	(32)	34.9 ± 0.08	3.18 ± 0.51	400	(28.1)	100	(7.0)	2.59 ± 0.51	320	(22.5)	80	(5.6)
1 1/2	(40)	41.3 ± 0.10	3.76 ± 0.51	400	(28.1)	100	(7.0)	3.06 ± 0.51	320	(22.5)	80	(5.6)
2	(50)	54.0 ± 0.10	4.90 ± 0.58	400	(28.1)	100	(7.0)	4.00 ± 0.58	320	(22.5)	80	(5.6)

## DIMENSION AND WATER PRESSURE RATING AT 20°C & 82°C FOR CPVC PIPES AS PER ASTM F 441

SCH. 40				SCH. 80								
Nominal Size		Outside Diameter (mm)	Wall Thickness (mm)	Pressure Rating, PSI (kg/cm <sup>2</sup> )				Wall Thickness (mm)	Pressure Rating, PSI (kg/cm <sup>2</sup> )			
(inch)	(mm)			73.4°F	(23°C)	180°F	(82°C)		73.4°F	(23°C)	180°F	(82°C)
2 1/2	(65)	73.0±0.18	5.16±0.61	420	(29.0)	105	(7.24)	7.01±0.84	300	(20.0)	75	(5.17)
3	(80)	88.9±0.20	5.49±0.66	370	(25.5)	90	(6.20)	7.62±0.91	260	(17.9)	65	(4.48)
4	(100)	114.3±0.23	6.02±0.71	320	(22.1)	80	(5.51)	8.56±1.02	220	(15.2)	55	(3.79)

### CPVC Pipe - SDR - 11 Class 1 (3m & 5m) - HSN CODE - 3917

Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per Length) 3m	MRP Rs. (Per Length) 5m
3/4	20	55	390	650
1	25	40	640	1066
1 1/4	32	20	1010	1539.16
1 1/2	40	10	1462	2228
2	50	10	2385	3634.50

### CPVC Pipe - SDR - 13.5 Class 2 (3m & 5m) - HSN CODE - 3917

Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per Length) 3m	MRP Rs. (Per Length) 5m
3/4	20	55	370	617
1	25	40	608	1012
1 1/4	32	20	690	1356
1 1/2	40	10	965	1953
2	50	10	1650	3179

### CPVC Pipe - SCH - 80 (3m & 5m) - HSN CODE - 3917

2 1/2	65	5	4660	7766
3	80	4	6142	10236
4	100	2	9150	15250

### CPVC Pipe - SCH - 40 (3m & 5m) - HSN CODE - 3917

2 1/2	65	5	3440	5733
3	80	4	4605	7675
4	100	2	6448	10746



# CPVC PLUMBING SYSTEM FOR HOT & COLD WATER

## CPVC FITTINGS



ELBOW			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	300	18.20
1	25	150	36.90
1 1/4	32	75	73.75
1 1/2	40	40	141.00
2	50	20	290.75
2 1/2	65	35	683.00
3	80	20	996.00
REDUCER ELBOW			
1-3/4	25/20		46.00



BRASS FTA			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	300	126.50
1	25	150	159.15
1 1/4	32	100	472.00
1 1/2	40	48	587.00
2	50	30	1075.00
REDUCER BRASS FTA			
3/4 x 1/2	20x15	300	75.00
1 x 1/2	25x15	150	95.30
1 x 3/4	25x20	150	119.70



TEE			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	250	28.00
1	25	100	43.00
1 1/4	32	50	94.00
1 1/2	40	30	172.00
2	50	15	365.00
2 1/2	65	20	942.00
3	80	12	1368.00



BRASS MTA			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4 x 3/4	20	225	182.00
1x1	25	100	235.50
1 1/4	32	60	542.30
1 1/2	40	50	762.70
2	50	30	1217.70
REDUCER BRASS MTA			
1 x 3/4	25x20	150	200.00
1 x 1/2	25x15	150	114.00
3/4 x 3/4	20x20	15	183.00



COUPLER			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	500	14.70
1	25	250	24.80
1 1/4	32	125	46.00
1 1/2	40	100	85.00
2	50	36	179.00
2 1/2	65	50	443.00
3	80	35	606.50



BRASS ELBOW			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4 x 3/4	20x20	200	109.20
1x1	25x25	100	321.65
3/4 x 1/2	20x15	250	72.00
1 x 1/2	25x15	150	121.80
1 x 3/4	25x20	150	176.85



UNION			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	200	82.00
1	25	100	112.00
1 1/4	32	70	130.00
1 1/2	40	40	236.00
2	50	20	410.00
2 1/2	65	36	1398.00
3	80	25	2175.00



BRASS TEE			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4 x 3/4 x 3/4	20x20x20	150	130.41
1x1x1	25x25x25	75	232.00
3/4 x 3/4 x 1/2	20x20x15	200	81.00
1x1x1 1/2	25x25x15	120	131.40
1x1x3/4	25x25x20	100	206.20



TANK CONNECTOR SOCKET TYPE			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	200	66.00
1	25	100	98.00
1 1/4	32	40	190.00
1 1/2	40	30	205.00
2	50	20	510.00
2 1/2	65	50	650.00
3	80	35	852.00



FTA PLASTIC THREADED			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	400	28.70
1	25	200	45.00
1 1/4	32	100	103.00
1 1/2	40	50	112.00
2	50	30	178.00
2 1/2	65	60	445.00
3	80	40	623.00
REDUCING FTA PLASTIC THREADED			
3/4 x 1/2	20x15	500	31.00



BALL VALVE			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	80	117.00
1	25	48	266.00
1 1/4	32	12	545.00
1 1/2	40	8	840.00
2	50	5	1455.00

# CPVC PLUMBING SYSTEM FOR HOT & COLD WATER

## CPVC FITTINGS



MTA PLASTIC THREADED			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	500	23.30
1	25	225	35.40
1 1/4	32	150	55.00
1 1/2	40	120	66.00
2	50	64	125.00
2 1/2	65	60	443.00
3	80	40	650.00
REDUCING MTA PLASTIC THREADED			
3/4 x 1/2	20x15	600	30.25



REDUCER COUPLER			
1 x 3/4	25x20	350	31.70
1 1/4 x 3/4	32x20	175	62.00
1 1/4 x 1	32x25	150	70.00
1 1/2 x 3/4	40x20	125	109.00
1 1/2 x 1	40x25	100	114.00
1 1/2 x 1 1/4	40x32	75	125.00
2 x 1	50x25	50	185.00
2 x 1 1/4	50x32	50	237.00
2 x 1 1/2	50x40	50	255.00



REDUCING BUSH			
1 x 3/4	25x20	500	21.25
1 1/4 x 3/4	32x20	275	32.00
1 1/4 x 1	32x25	250	35.00
1 1/2 x 3/4	40x20	175	46.00
1 1/2 x 1	40x25	175	47.00
1 1/2 x 1 1/4	40x32	175	52.00
2 x 3/4	50x20	75	85.00
2 x 1	50x25	75	88.00
2 x 1 1/4	50x32	75	92.00
2 x 1 1/2	50x40	75	95.00



REDUCING TEE			
1 x 3/4	25x20	150	66.00
1 1/4 x 3/4	32x20	80	135.00
1 1/4 x 1	32x25	60	140.60
1 1/2 x 3/4	40x20	50	155.00
1 1/2 x 1	40x25	30	161.00
2 x 1	50x25	30	365.72
2 x 1 1/2	50x40	16	355.25
1 1/2 x 1 1/4	40x32	30	308.00
2 x 1 1/4	50x32	20	330.00



CROSS TEE			
3/4	20	200	53.60
1	25	100	102.70
1 1/4	32	120	280.00



BEND 45°			
Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3/4	20	375	28.15
1	25	225	49.70
1 1/4	32	50	110.00
1 1/2	40	50	148.70
2	50	24	335.00



END CAP			
3/4	20	1000	13.50
1	25	500	20.25
1 1/4	32	250	41.00
1 1/2	40	150	52.00
2	50	70	108.00
2 x 1 1/2	65	70	318.00
3	80	60	445.00



TANK CONNECTOR			
3/4	20	400	62.00
1	25	225	88.00
1 1/4	32	150	153.00
1 1/2	40	100	186.00
2	50	80	295.00



STEP OVER BEND			
3/4	20	120	153.00
1	25	64	204.30



PIPE CLIP PLASTIC			
3/4	20	500	7.20
1	25	400	9.50
1 1/4	32	300	10.90
1 1/2	40	200	12.25
2	50	150	28.90
PIPE CLIP METAL			
1/2	15	200	15.70



CIRCUIT TESTING PLUG			
1/2	15	700	7.20



NAIL CLAMP			
3/4	20	800	9.00
1	25	550	19.71
1 1/4	32	280	30.25
1 1/2	40	240	45.60



SOLVENT			
118 ml	144	275.00	
237 ml	96	425.00	



**SWR**  
DRAINAGE SYSTEM  
BEST SOLUTION FOR  
**DRAINAGE**



## SWR DRAINAGE SYSTEM LEAK-PROOF JOINTS

# PERFORMANCE BENEFITS

### About Products

We are pioneer in introducing most cost effective & efficient drainage system (S.W.R.) which is fast replacing most of the conventional systems used in building industry.

TUAARA SWR pipes & fittings are manufactured in both ringfit & selfit.

Type A - Pipes are recommended for use in ventilation pipe work & rain water application

Type B - Pipes are recommended for use in soil & waste discharge systems.

### Standards & Specifications

IS 13592 - Specification for SWR Pipes

Sizes : 50MM to 160MM SELF FIT AND RING TYPE (3 MTR AND 6 MTR)

Fittings : 75MM, 110mm SELF FIT AND RING TYPE (ISI AND REGULAR BOTH VARIANT)

Colour : Light Gray

### Features and Properties

- UV Stabilized • High Chemical & Corrosion Resistance • Stronger Resilient and Long Lasting • Environment Friendly • High standards & wide range • Mirror smooth bore • No chocking • Excellent chemical & corrosion resistance • Light weight - easy handling • High impact strength • UV - stabilized (all weather resistance) 100% leak proof joints • Longer life • Easy cleaning • Quick convenient installation • Quick testing • No filling material required for jointing • Least maintenance • Can be coloured as per choice to match building aesthetics • Economical

### Areas of Applications

Drain & Sewer systems in Residences, Commercial Complexes, Resorts, Hospitals, Academic Institutes and Industries etc.



**DIMENSIONS OF SWR PIPES**

Nominal Outside Diameter	Tolerance on Outside Diameter		WALL THICKNESS			
			Type - A		Type - B	
	Min	Max	Min	Max	Min	Max
50	50.0	50.3	1.8	2.2	3.2	3.8
75	75.0	75.3	1.8	2.2	3.2	3.8
90	90.0	90.3	1.9	2.3	3.2	3.8
110	110.0	110.4	2.2	2.7	3.2	3.8
160	160.0	160.5	3.2	3.8	4.0	4.6

## SWR PIPE

**SWR PIPES - IS 13592**

Size	Type	50mm		63mm		75mm		90mm		110mm		160mm	
		Type A	Type B										
3mtr	Self Fit Socket	435	483	472	656	608	1035	927	1315	1186	1725	2415	3963
3mtr	Ring Fit Socket	417	495	495	667	633	1047	874	1327	1219	1737	2427	3975

**SWR FITTINGS RING FIT - IS : 14735**

Image	BEND 87.5°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	80	131.50
	4	110	42	247.00
Image	BEND 87.5° DOOR			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	48	148.00
	4	110	35	300.00
Image	BEND 45°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	80	112.00
	4	110	56	218.00
Image	TEE			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	72	192.00
	4	110	26	365.00
Image	DOOR TEE			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	45	225.00
	4	110	24	430.00

**SWR FITTINGS SELF FIT - IS : 14735**

Image	BEND 87.5°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	84	116.50
	4	110	42	222.00
Image	BEND 87.5° DOOR			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	48	175.00
	4	110	35	277.00
Image	BEND 45°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	80	95.00
	4	110	56	193.00
Image	TEE			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	72	158.00
	4	110	26	315.00
Image	DOOR TEE			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	45	190.00
	4	110	24	380.00

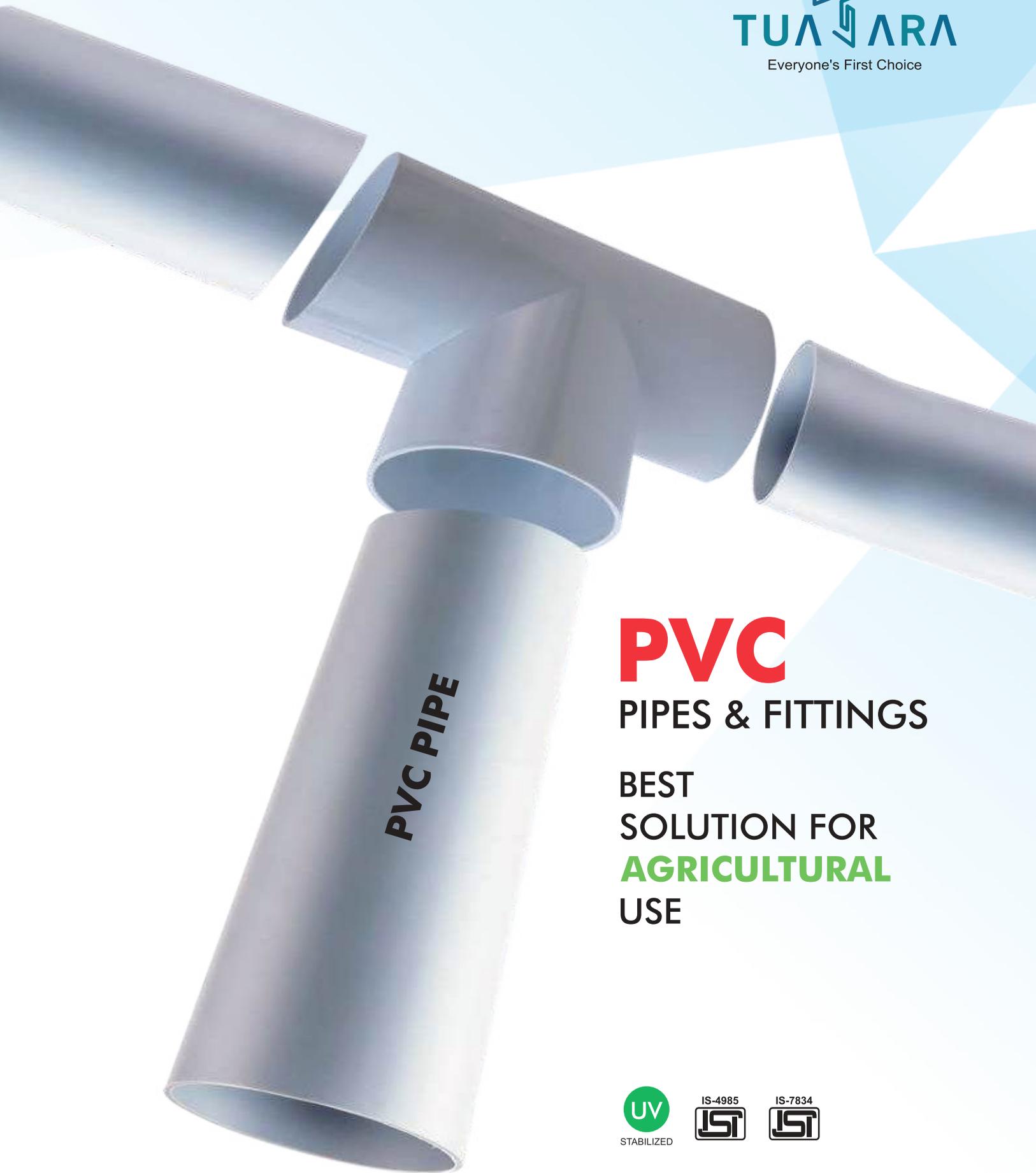
**SWR FITTINGS**

**SWR FITTING (O RING)**

	BEND 87.5°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	60	104.77
	4	110	40	207.85
	SINGLE TEE			
	2½	75	72	159.70
	4	110	24	302.65
	BEND 45°			
	2½	75	80	104.80
	4	110	52	171.94
	BEND 87.5° DOOR			
	2½	75	48	144.70
	4	110	32	271.00
	SINGLE TEE DOOR			
	2½	75	50	202.90
	4	110	24	349.20
	COUPLER			
	2½	75	75	106.50
	4	110	60	143.00
	REDUCER 110 X 75MM			
	4x 2½	110x75	60	131.40
	SINGLE WYE			
	2½	75	30	186.27
	4	110	20	362.50
	SINGLE WYE DOOR			
	2½	75	24	229.50
	4	110	16	429.00
	REDUCER Y 110/75			
	4X2½	110X75	20	428.00
	CLEANSING PIPE			
	2½	75	70	162.00
	4	110	30	285.00
	REDUCER DOOR Y 110/75			
	4X2½	110X75	16	510.00
	REDUCING TEE			
	4X2½	75X100	30	260.00
	NAHANI TRAP (WITHOUT JALI)			
	2½ Hy. Single Pcs	75	60	218.00
	4 Hy. Single Pcs	110	48	273.00
	PIPE CLIP			
	2½	75	650	32.00
	4	110	350	43.00
	PVC SOLVENT			
	100ml	72		140.00
	250ml	48		250.00

**SWR FITTING SELF FIT**

	BEND 87.5°			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
	2½	75	60	89.77
	4	110	40	192.85
	SINGLE TEE			
	2½	75	72	129.70
	4	110	24	272.65
	BEND 45°			
	2½	75	80	89.80
	4	110	52	156.94
	BEND 87.5° DOOR			
	2½	75	48	129.70
	4	110	32	256.00
	SINGLE TEE DOOR			
	2½	75	50	172.90
	4	110	24	319.20
	COUPLER			
	2½	75	75	76.50
	4	110	60	113.00
	REDUCER 110 X 75MM			
	4x 2½	110x75	78	133.70
	SINGLE WYE			
	2½	75	30	156.27
	4	110	20	332.50
	SINGLE WYE DOOR			
	2½	75	24	199.50
	4	110	16	399.00
	REDUCER Y 110/75			
	4X2½	100X75	20	397.00
	CLEANSING PIPE			
	2½	75	70	150.75
	4	110	30	274.70
	REDUCER DOOR Y 110/75			
	4X2½	100X75	16	490.00
	REDUCING TEE			
	4X2½	75X110	30	246.00
	P TRAP			
	4 x 4	110x110	18	518.00
	SOCKET PLUG			
	2½	75	100	83
	4	110	77	103
	VENT COWL			
	2½	75	275	33.25
	4	110	130	63.17



PVC PIPE

**PVC**

**PIPES & FITTINGS**

**BEST  
SOLUTION FOR  
AGRICULTURAL  
USE**



# uPVC AGRICULTURE PIPE & FITTING

## STRONG, DURABLE & COST EFFECTIVE

### FLOWING LIFE THROUGH PIPES

UPVC Rigid Pvc Pipes TUAARA Upvc Rigid Pipes Are Manufactured In Hightech Plant With Latest Manufacturing Technology Under Strict Quality And Confirms To Isi Specifications.

Available Sizes • Pipes : 50 mm to 225 mm

Standards & Specifications • IS 4985 : 2000 Specification for PVC Pipe

#### Material

• PVC Compound Grade Equivalent to PVC 1120 / 2120

#### Areas of Application

• Domestic , Industrial and farming. • Sturdy construction Site  
• Supply of potable water • Disposal of acids, chemical, toxic wastes • Agricultural Pipe lines for potable water supply. • Main & Submain line for drip irrigation system.

## uPVC AGRICULTURE PIPE

### DIMENSIONS OF uPVC PIPE FOR POTABLE WATER SUPPLIES AS PER IS 4985

Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		WALL THICKNESS					
			Class 1 0.25 MPa		Class 2 0.4 MPa		Class 3 0.6 MPa	
			Min	Max	Min	Max	Min	Max
50	50.0	50.3	-	-	-	-	1.7	2.1
63	63.0	63.3	-	-	1.5	1.9	2.2	2.7
75	75.0	75.3	-	-	1.8	2.2	2.6	3.1
90	90.0	90.3	1.3	1.7	2.1	2.6	3.1	3.7
110	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3
125	125.0	125.4	1.8	2.2	2.9	3.4	4.3	5.0
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2
180	180.0	180.6	2.6	3.1	4.2	4.9	6.1	7.1
200	200.0	200.6	2.9	3.4	4.6	5.3	6.8	7.9
225	225.0	225.7	3.3	3.9	5.2	6.0	7.6	8.8

### (6 Meter Pipe Price)

Size		2.5kg	4kg	6kg	SEMI PREMIUM PIPE (BLACK MARK)
(Inch)	(mm)				4kg
1½	50	NA	NA	892.80	NA
2	63	NA	1041.60	1376.40	853.00
2½	75	NA	1376.40	2008.80	1096.00
3	90	1227.60	2046.00	2827.20	1673.00
4	110	1860.00	2790.00	4092.00	2010.00
5	140	2901.60	4687.20	6547.20	3350.00
6	160	3831.60	5952.00	8556.00	4415.00
7	180	4836.00	7440.00	11532.00	5217.00
8	200	5952.00	9300.00	13764.00	6794.00
9	225	7216.80	11234.40	15810.00	9796.00

	ENDCAP (PLAIN)			
	2	63	308	51.00
	2½	75	162	65.00
	3	90	120	79.00
	4	110	64	120.00

## uPVC AGRICULTURE FITTINGS

	ELBOW			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
PN - 6	1¼	40	200	35.00
	1½	50	100	54.00
	2	63	200	44.72
REGULAR	2½	75	125	55.36
	3	90	60	90.30
	4	110	36	134.59
	6	160	10	590.00

	TEE			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
PN - 6	1¼	40	140	48.00
	1½	50	70	74.00
	2	63	130	60.36
REGULAR	2½	75	90	90.33
	3	90	44	111.67
	4	110	32	166.81
	6	160	7	750

	REDUCER			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
3x2	90x63	120	84.24	
3x2½	90x75	140	86.40	
4x2	110x63	78	131.92	
4x2½	110x75	78	133.70	
4x3	110x90	78	145.90	
6x4	160x110	33	366.00	

	REDUCER TEE PN 6			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
4x2	110x63	26	324.30	
4x2½	110x75	26	345.00	
4x3	110x90	25	375.00	

	COUPLER			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
2	63	108	65.00	
2½	75	90	78.20	
3	90	120	95.20	
4	110	60	146.20	
6	160	22	350.00	

	REDUCER BUSH			
	Size (inch)	Size (mm)	Std. Pkg.	MRP Rs. (Per PC)
4x2	110x63	50	143.00	
4x2½	110x75	50	162.00	
4x3	110x90	50	130.00	